

# EXHIBIT A

Via E-File

PATENT APPLICATION  
Docket No. 15689.49.4

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of		)
		)
	Takehiro Nakamura et al.	)
		)
Serial No.:	10/673,940	) Art Unit
		) 2611
Filed:	September 29, 2003	)
		)
Conf. No.:	7648	)
		)
For:	BASE STATION IN MOBILE	)
	COMMUNICATION SYSTEM	)
		)
Examiner:	Kevin Kim	)
		)
Customer No.:	022913	)

**AMENDMENT "G"**

Via eFile - AMENDMENT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In response to the Office action of March 16, 2007 (paper no. 20070308), please amend the above-identified application as follows:

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper.

**Remarks/Arguments** begin on page 5 of this paper.

## **AMENDMENTS TO THE CLAIMS**

The listing of claims will replace all prior versions, and listings, of claims in the application:

### **Listing of Claims:**

Claims 1-10. (Cancelled).

Claim 11. (New) A communication apparatus for use in a CDMA communication in which each user simultaneously uses the same radio frames of a fixed duration on a physical channel to transmit data, and the transmitted data of different users is divided between the different users by using different spreading codes allocated to respective users, the apparatus comprising:

forming means for forming logical channel units each of which is to be subjected to error detection, each logical channel unit including information of a logical channel and an error detecting code added to the information; and

mapping means for mapping the logical channel unit into one or more radio frames,

wherein the mapping means makes the number of radio frames of the fixed duration on the physical channel into which the logical channel unit is mapped larger in a case where a transmission rate of the physical channel is low, than that in a case where the transmission rate is high.

Claim 12. (New) The communication apparatus as claimed in claim 11, wherein each of the radio frames comprises slots, and the mapping means divides the logical channel unit for each time slot, and maps each of the divided portions of the logical channel unit into each time slot.

Claim 13. (New) A communication method for use in a CDMA communication in which each user simultaneously uses the same radio frames of a fixed duration on a physical channel to transmit data, and the transmitted data of different users is divided between the different users by using different spreading codes allocated to respective users, the apparatus comprising:

a forming step of forming logical channel units each of which is to be subjected to error detection, each logical channel unit including information of a logical channel and an error detecting code added to the information; and

a mapping step of mapping the logical channel unit into one or more radio frames, wherein the mapping step makes the number of radio frames of the fixed duration on the physical channel into which the logical channel unit is mapped larger in a case where a transmission rate of the physical channel is low, than that in a case where the transmission rate is high.

Claim 14. (New) The communication method as claimed in claim 13, wherein each of the radio frames comprises slots, and the mapping step divides the logical channel unit for each time slot, and maps each of the divided portions of the logical channel unit into each time slot.